REMARKS

The specification has been revised to reflect the national stage status. In addition, claim 19 has been cancelled as being directed to an improper "use" claim which is protected under U.S. practice by claim 18.

Attached hereto is a marked-up version of the changes made to the specification by the current amendment. The attached page is captioned "Version with markings to show changes made."

Favorable action on the merits is solicited.

Respectfully submitted,

Yutaka YAMAGATA et al.

Bv

Warren M. Cheek,

Registration No. 33,367

Attorney for Applicants

WMC/dlk Washington, D.C. 20006-1021 Telephone (202) 721-8200 Facsimile (202) 721-8250 March 15, 2002

Show Changes Made

JC13 Rec'd PCT/PTO 1.5 MAR 2002

PROCESS FOR PRODUCING PROTEIN POWDER

This application is a 371 of PCT/JPOO/06303 filed September 14, 2000. Technical Field

The present invention relates to a process for producing a protein powder and a sustained-release preparation comprising the protein powder. Further, it relates to a sustained-release preparation comprising a specific base material, and the like.

Background Art

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Recently, a large amount of proteins have been produced by utilizing Escherichia coli, yeasts, animal cells, or living bodies such as goat, hamsters, etc. due to developed genetic engineering and cell technology, and put to medicinal use. However, since these proteins have very high reactivity to acidic conditions and peptic enzymes, they are not absorbed by oral administration. Then, in general, they are administered subcutaneously or intramuscularly. However, they must be frequently administered because of the generally short biological half-life. The repeated injections takes a significant physical burden on patients.

For example, a growth hormone (hereafter sometimes referred to as GH), a representative hormone which is originally produced and secreted in the anterior portion of the pituitary gland, is a protein having widely diverse physiological